Kate Eppler

Fraser EM R2

Mar 24, 21

**10x10: Can’t Miss Upper Extremity Injuries**

**Posterior Shoulder Dislocations (PSD)**

* Posterior shoulder dislocations are a relatively **rare injury** (approx. 4% of all shoulder dislocations), however, the diagnosis is often missed
	+ Long term disability if missed
* Suspect in patients
	+ Classic “E’s”: high Energy trauma, electrocution, epilepsy, EtOH
	+ Most common is trauma onto upper limb in **forward flexion** and **internal rotation**
	+ Obtunded or intubated patients with distracting injuries including multitrauma patients from peripheral sites
* Imaging Tips
	+ Gold standard is an **axillary XR**
	+ Alternatives include trans scapular Y-view or Velpeau view if patient is in significant pain

**Pediatric Lateral Condyle Fractures**

* **Second most common** pediatric elbow fractures (approx. 15% of elbow fractures)
* Think about in children aged 5-10 years old with high energy FOOSH mechanism but subtle findings on physical exam
* Associated with **higher rates of complications** compared to other elbow fractures
	+ Malunion and non union
	+ Cubitus varus and growth disturbance
	+ AVN
	+ Ulnar nerve injury
* Can be **intra-articular** and required prompt surgical fixation even when they are minimally displaced
* Imaging Tips
	+ **Oblique XR** view to avoid misdiagnosing as supracondylar fracture or as an ossification centre
	+ Image contralateral side if in doubt